

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicants:** John Shanklin, et al.

**Application No.:** 10/822,370

**Examiner:** T. Saidha

**Filing Date:** April 12, 2004

**Art Unit:** 1652

**Confirmation No.:** 2864

**Attorney Docket No.:** BSA 04-11

**Title:** **MUTANT FATTY ACID DESATURASE AND METHODS  
FOR DIRECTED MUTAGENESIS**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

Sir:

This Amendment is filed in response to the Office Action mailed from the Patent Office on October 26, 2006.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks** begin on page 9 of this paper.